

PATENT APPLICATION DECLARATION

(Attorney's Docket No.: 3100.002US1)

Each of the Applicants named below hereby declares as follows:

1. My residence, post office address and country of citizenship given below are true and correct.

2. I believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought in the patent application entitled "ENDODERM, CARDIAC AND NEURAL INDUCING FACTORS," Serial No. 08/878,474, filed June 18, 1997, and I have reviewed and understand the contents of the specification, including its claims.

3. I acknowledge my duty to disclose to the Office all information known to me to be material to patentability of this application, in accordance with 37 C.F.R. Section 1.56, which is defined on the attached page.

4. This application claims the benefit of U.S. Provisional Application No. 60/020,150, filed June 20, 1996. I acknowledge my duty to disclose information of which I am aware which is material to the examination of this application, as defined in §1.56, which occurred between the filing date of the prior application and the filing date of this application.

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: Feb 22, 1999



Edward M. De Robertis
16958 Dulce Ynez Lane
Pacific Palisades, California 90272
(Citizenship: U.S.A.)

Date: 22 - 2 - 99


Lewis Bouwmeester

Residence and
Post Office Address: Ploegk 56
69117 Heidelberg, Germany
(Citizenship: The Netherlands)

Section 1.56 Duty to Disclose Information Material to Patentability.

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

(1) prior art cited in search reports of a foreign patent office in a counterpart application, and

(2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

(b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and

(1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or

(2) It refutes, or is inconsistent with, a position the applicant takes in:

(i) Opposing an argument of unpatentability relied on by the Office, or

(ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

(c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

(1) Each inventor named in the application;

(2) Each attorney or agent who prepares or prosecutes the application; and

(3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.

(d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

PATENT APPLICATION DECLARATION

(Attorney's Docket No.: 3100.002US1)

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Date: 8/31/98

Edward M. De Robertis

Residence and
Post Office Address: 16958 Dulce Ynez Lane
Pacific Palisades, California 90272
(Citizenship: U.S.A.)

Date: 9/4/98

Tewis Bouwmeester *

Residence and
Post Office Address: 827 Levering Avenue, Apt. #708
Los Angeles, California 90024
(Citizenship: The Netherlands)

* New address: Tewis Bouwmeester
9Loeck 56
69117 Heidelberg, Germany
11 Netherlands

Section 1.56 Duty to Disclose Information Material to Patentability.

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

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(d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

PATENT APPLICATION DECLARATION
(Attorney's Docket No.: 3100.002US1)
(UC Case No.: LA96-092-01)

Each of the Applicants named below hereby declares as follows:

1. My residence, post office address and country of citizenship given below are true and correct.

2. I believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought in the patent application entitled "ENDODERM, CARDIAC AND NEURAL INDUCING FACTORS," Serial No. 08/878,474, filed June 18, 1997, and I have reviewed and understand the contents of the specification, including its claims.

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Date: 09/18/97Residence and
Post Office Address:

Edward M. De Robertis
16958 Dulce Ynez Lane
Pacific Palisades, CA 90272
(Citizenship: U.S.A.)

Date: 09/18/97Residence and
Post Office Address:

Lewis Bouwmeester
827 Levering Avenue, Apt. #708
Los Angeles, California 90024
(Citizenship: The Netherlands)

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(d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

Receipt is hereby acknowledged for the following the U.S. Patent and Trademark Office:

In re Patent of: De Robertis et al.
For: ENDODERM, CARDIAC AND NEURAL INDUCING FACTORS
Serial No.: 09/552,988
Filed: April 21, 2000
Docket: 510015-248

Date of Deposit: December 5, 2000

Due Date: N/A

Transmittal sheet, in duplicate, containing Certificate of Mailing
 Revocation and Substitute Power of Attorney

CB/as

Receipt is hereby acknowledged for the following the U.S. Patent and Trademark Office:

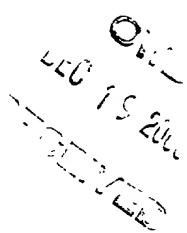
In re Patent of: De Robertis et al.
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patentee:	De Robertis et al.	Examiner	Not yet assigned
Serial No.	09/552,988	Art Unit	1646
Filed	April 21, 2000	Docket:	510015-248
Due Date:	n/a		
Title:	ENDODERM, CARDIAC AND NEURAL INDUCING FACTORS		

CERTIFICATE UNDER 37 CFR 1.8

I hereby certify that this correspondence and identified enclosures are being deposited with the United States Postal Service, first class mail, postage prepaid, under 37 C.F.R. 1.8 on the date indicated, and is addressed to the Commissioner for Patents, Washington, D.C. 20231 on December 5, 2000.


Amber Stewart

Commissioner for Patents
Washington, D.C. 20231

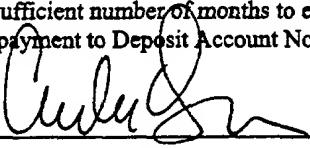
Sir:

We are transmitting herewith the attached:

- Transmittal Sheet in duplicate containing Certificate of Mailing
- Revocation and Substitute Power of Attorney
- Return postcard

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers, if appropriate. Please charge any additional fees or credit overpayment to Deposit Account No. 16-2230. A duplicate of this sheet is enclosed.

OPPENHEIMER WOLFF & DONNELLY LLP
2029 Century Park East, 38th Floor
Los Angeles, CA 90067-3024
(310) 788-5000

By: 
Name: Charles Berman
Reg. No.: 29,249
CB/as

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patentee:	De Robertis et al.	Examiner	Not yet assigned
Serial No.	09/552,988	Art Unit	1646
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Commissioner for Patents
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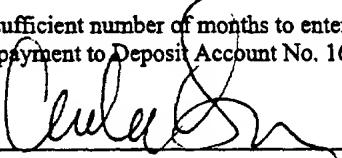
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OPPENHEIMER WOLFF & DONNELLY LLP
2029 Century Park East, 38th Floor
Los Angeles, CA 90067-3024
(310) 788-5000

By: 

Name: Charles Berman
Reg. No.: 29,249
CB/as

(C) (C)

PATENT
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: De Robertis et al. Examiner: Unknown
Serial No. 09/552,988 Group Art Unit: 1646
Filed: April 21, 2000 Docket No. 510015-248
Title: ENDODERM, CARDIAC AND NEURAL INDUCING FACTORS

CERTIFICATE UNDER 37 C.F.R. 1.8: The undersigned hereby certifies that this paper and its enclosures are being deposited in the United States Postal Service, as first class mail, with sufficient postage, in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on *DECEMBER 5, 2000*


Amber Stewart

REVOCATION AND SUBSTITUTE POWER OF ATTORNEY

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In the matter of the above-identified application, I hereby revoke all power of attorney heretofore given and hereby appoint:

Charles Berman, Reg. 29,249	Guy P. Smith, Reg. 20,142	Kurt A. MacLean, Reg. 31,118
Louis J. Bovasso, Reg. 24,075	Ronald S. Tamura, Reg. 43,179	Ben H. Bedi, Reg. 39,904
Marc E. Brown, Reg. 28,590	Gregory B. Wood, Reg. 28,133	Everitt George Beers, Reg. 40,508
Christopher Darrow, Reg. 30,166	Daniel Chapik, Reg. 43,424	Michael K. Bosworth, Reg. 28,186
Michael B. Farber, Reg. 32,612	Harold D. Jastram, Reg. 19,777	Justin F. Boyce, Reg. 40,920
Scott R. Hansen, Reg. 38,486	Alan D. Kamrath, Reg. 28,227	Chris W. Chou, Reg. 41,672
Michael D. Harris, Reg. 26,690	Chad Klingbeil, Reg. 33,002	Anthony B. Diepenbrock III, Reg. 39,960
Douglas N. Larson, Reg. 29,401	Craig J. Lervick, Reg. 35,244	Robert O. Guillot, Reg. 28,852
Spyros J. Lazaris, Reg. 45,981	Cyrus Morton, Reg. 44,954	Claude A.S. Hamrick, Reg. 22,586
Sung Oh, Reg. P45,583	Bruce Canter, Reg. 34,792	Esther La, Reg. 43,734
David J. Oldenkamp, Reg. 29,421	Louis C. Cullman, Reg. 39,645	Leah Sherry, Reg. 43,918
William Poms, Reg. 18,782	Monique Heyninck, Reg. P44,763	Marc Bobys, Reg. 45,267
Alan C. Rose, Reg. 17,047	James W. Inskeep, Reg. 33,910	
Charles Rosenberg, Reg. 31,464		

whose address is:

OPPENHEIMER WOLFF & DONNELLY LLP

2029 Century Park East, 38th Floor

Los Angeles, California 90067-3024

Telephone (310) 788-5000

Telefax (310) 788-5100

Attention: Krista Vink Venegas

to represent the undersigned before the United States Patent and Trademark Office and to make or receive payments on behalf of the undersigned. Please direct all future correspondence and telephone calls to:

OPPENHEIMER WOLFF & DONNELLY LLP

2029 Century Park East, 38th Floor

Los Angeles, California 90067-3024

Telephone (310) 788-5000

Telefax (310) 788-5100

Attention: Krista Vink Venegas

Linda S. Stevenson

November 27, 2000

Date

Name: Linda S. Stevenson

Title: Manager, Patent Prosecution

UC Case No. 96-592-3

LA: 263614 v01 11/17/2000



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APRIL 10, 2001

PTAS

OPPENHEIMER WOLFF & DONNELLY LLP
CHARLES BERMAN
2029 CENTURY PARK EAST, 38TH FLOOR
LOS ANGELES, CA 90067-3024



101601052A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 01/22/2001

REEL/FRAME: 011469/0424
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

DEROBERTIS, EDWARD M.

DOC DATE: 12/07/2000

ASSIGNOR:

BOUWMEESTER, TEWIS

DOC DATE: 12/08/2000

ASSIGNEE:

REGENTS OF THE UNIVERSITY OF
CALIFORNIA, THE
1111 FRANKLIN STREET, 5TH FLOOR
OAKLAND, CALIFORNIA 94607-5200

SERIAL NUMBER: 09552988
PATENT NUMBER:

FILING DATE: 04/21/2000
ISSUE DATE:

DOCKETED

PAULA MCCRAY, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

APR 18 2001

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APR 17 2001

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01-31-2001

FORM PTO-1595

(Rev. 6-93)

OMB No. 0651-0011 (exp. 4/94)

Docket No. 30962.2-US-U1



EET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

101601052

To the Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Edward M. DeRobertis
Tewis Bouwmeester

1. 22.01

2. Name and address of receiving party(ies):

The Regents of the University of California
1111 Franklin Street, 5th Floor
Oakland, California 94607-5200

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other:

Execution Date: December 7, 2000 and December 8, 2000

4. Application number(s) or patent number(s): 09/552,988

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s) 09/552,988

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Charles Berman, Esq.
 Address: OPPENHEIMER WOLFF & DONNELLY LLP
 2029 Century Park East, 38th Floor
 Los Angeles, CA 90067-3024

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

Enclosed
 Authorized to be charged to deposit account

8. Please charge any additional fees or credit any overpayments to our Deposit account number: 16-2230

DO NOT USE THIS SPACE

9. Statement and signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Charles Berman

Name of Person Signing

Signature

January 17, 2001

Date

Total number of pages including cover sheet, attachments, and document: 2

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks
 Box Assignments
 Washington, D.C. 20231

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.

01/30/2001 6T0N11 00000195 09552988

01 FC:581

40.00 DP

LA: 269575 v01 01/17/2001

Attorney Docket No. S10015-248

ASSIGNMENT

U.C. Case No. 2001-054-1

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S),

1. Edward M. DeRobertis 2. Lewis Baumhegeier

hereby sells, assigns and transfers to ASSIGNEE, The Regents of the University of California, a California Corporation, having its statewide administrative offices located at 1111 Franklin Street, 5th Floor, Oakland, CA 94607-5200, and the successors, assigns and legal representatives of the ASSIGNEE all of its right, title and interest for the United States and its territorial possessions and in all foreign countries in and to, any and all improvements which are disclosed in the invention entitled:

ENDODERM, CARDIAC AND NEURAL INDUCING FACTORS

and which is found in

(a) U.S. provisional application filed herewith and listing the above named persons as inventors
(b) U.S. patent application filed herewith and listing the above named persons as inventors
(c) U.S. application serial no. 09/552,988, filed on April 21, 2000
(d) U.S. Patent No.: _____, issued _____

and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, continuation-in-part, extension, conversion to 35 USC 111(a) or substitute thereof, and any reissue, reexamination or extension of said Letters Patent and all rights under all International Conventions for the Protection of Industrial Property;

ASSIGNORS(S) hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNOR(S) further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation, or proceeding relating thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue or enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof. An attorney of record is authorized and requested by the execution of this assignment to insert into this assignment the filing date and serial number of said application when officially known.

AND the **ASSIGNOR(S)** requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States an any reissue or extension thereof to the **ASSIGNEE**, The Regents of the University of California.

executed this

7 day of December, 2000

executed this

3 day of December 2000

Signature of Inventor(s)
Geo De Robertis

Edward M. DeRobertis

Signature of Investor(s)

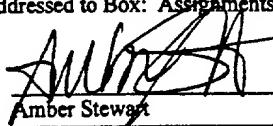
John H. Edwards

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patentee:	De Robertis et al.	Examiner	Not yet assigned
Serial No.	09/552,988	Art Unit	1646
Filed	April 21, 2000	Docket:	510015-248
Due Date:	n/a		
Title:	ENDODERM, CARDIAC AND NEURAL INDUCING FACTORS		

CERTIFICATE UNDER 37 CFR 1.8

I hereby certify that this correspondence and identified enclosures are being deposited with the United States Postal Service, first class mail, postage prepaid, under 37 C.F.R. 1.8 on the date indicated, and is addressed to Box: Assignments, Commissioner for Patents, Washington, D.C. 20231 on January 17, 2001.


Amber Stewart

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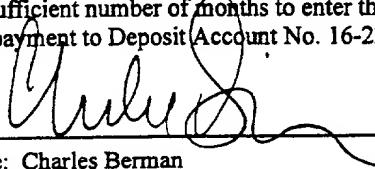
Sir:

We are transmitting herewith the attached:

- Transmittal Sheet in duplicate containing Certificate of Mailing
- Assignment of the invention to The Regents of the University of California and Recordation Form Cover Sheet
- Check in the amount of \$40.00 to cover assignment recordation fee
- Return postcard

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers, if appropriate. Please charge any additional fees or credit overpayment to Deposit Account No. 16-2230. A duplicate of this sheet is enclosed.

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By: 
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CB/as